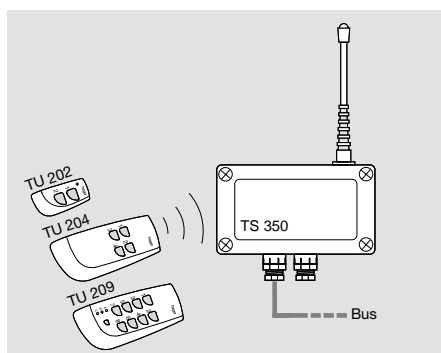


TS 350

Operating principle

The TS 350 receiver receives orders from the radio remote controls and transmits them to the bus.

It is to be used in combination with remote controls TU 202, TU 204 and TU 209 to control electrical equipment such as lighting, roller shutters, heating etc.



A TS 350 receiver can be used to interface 4 different orders on the bus via 4 remote control keys. These four keys may be considered to be four inputs.

Learning process

1. Memorizing the remote controls

Each remote control has a unique recognition code.

This procedure allows the receiver to learn the codes of the remote controls with which it operates.

2. Numbering the inputs

Once the remote controls memorized, inputs have to be numbered (see operating instructions).

Memorizing a TU 202 remote control:

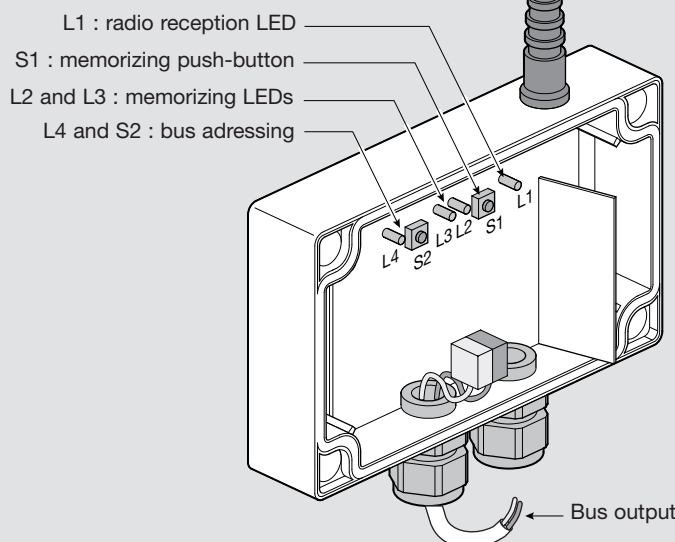
It is possible to memorize 2 keys remote controls TU 202

- press the S1 saving push-button. L3 will go on.
- press and keep hold of one of the remote control keys for 3 seconds
- after 3 seconds LED L3 will flash during 3 seconds and then stay on.
- switch off the key of the remote control, LED L3 go off.
- to save a second TU 202 remote control, repeat the procedure after turning on L2.

Memorizing a TU 204 remote control:

- press the S1 saving push-button. Turn on L3.
- press and keep hold of one of the remote control keys for 3 seconds
- after 3 seconds LED L3 will flash during 3 seconds and then stay on.
- switch off the key of the remote control, LED L3 go off.

Product presentation



Memorizing a TU 209 remote control:

The TS 350 receiver can memorize 4 inputs. The use of a 24 channels TU 209 remote control requires the implementation of 1 to 6 TS 350 receivers.

- press the S1 saving push-button. Turn on L3.
- choose group A, B or C on the TU 209 remote control.
- press and keep hold of key 1 to memorize keys 1 to 4 or key 5 to memorize keys 5 to 8 of the selected group.
- after 3 seconds LED L3 will flash during 3 seconds and then stay on
- switch off the key of the remote control, LED L3 go off.

Duplicating the remote controls

Up to 16 different remote control keys can be saved on a TS 350 receiver input. The operation is identical for each of the 16 keys.

Erasing the memorized settings

- press the S1 saving push-button for 10 seconds
- after 5 seconds, LEDs L2 and L3 flash and go off after 5 seconds.

Implementation

Radio reception LED L1 shows disturbances due to environment :

- slightly on : OK
- ON : disturbed environment

In case of implementation of several receivers, keep a sufficient distance between them about 30 cm.

Declaration of conformity :
We, Hager Electro S.A, 132 Boulevard de l'Europe
67215 Obernai Cedex, hereby declare under our own
responsibility that the products dealt with by these
instructions satisfy all essential demands linked to the
R&TTE 1999/5/CE Directive dated March 1999.
The BA Controls Quality Manager/ 01-01

Technical Specifications

Electrical specifications

- power supply voltage: Bus 29 V ELVS

Functional specifications

- frequency: 433 Mhz
- encoding: open-ended encoding + encryption
- transmission of remote control orders to the bus (4 channels max. / receiver)
- degree of protection: IP 54
- EN 300 220-1 compliant.

Environment

- operating temperature: 0 °C to +70 °C
- storage temperature: -20 °C to +70 °C

Dimensions

- housing: 130 x 80 x 35 mm
- housing fastening c-c distance: 63 x 113 mm
- antenna : 110 mm

Installation

- wall mounted with 4 screws.

Warranty



A warranty period of 24 months is offered on hager products, from date of manufacture, relating to any material of manufacturing defect. If any product is found to be defective it must be returned via the installer and supplier (wholesaler). The warranty is withdrawn if :
- after inspection by hager quality control dept the device is found to have been installed in a manner which is contrary to IEE wiring regulations and accepted practice within the industry at the time of installation.
- the procedure for the return of goods has not been followed. Explanation of defect must be included when returning goods.